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NOTICE OF ALLOWANCE AND FEE(S) DUE

40854

7590

09/08/2010

RANKIN, HILL & CLARK LLP 38210 GLENN AVENUE WILLOUGHBY, OH 44094-7808 EXAMINER

DANEGA, RENEE A

ART UNIT PAPER NUMBER

3736

DATE MAILED: 09/08/2010

| APPLICATION NO. FILING DATE | | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|------------|----------------------|---------------------|------------------|
| 10/599,808 | 10/10/2006 | Yosuke Endo | SAT-16887 | 4898 |

PROGRAM

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 12/08/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further indicated unless correcte maintenance fee notificate | correspondence including below or directed oth tions. | g the Patent, advance or erwise in Block 1, by (a | ders and notification of m specifying a new corres | naintenance fees wi pondence address; | ll be r and/or | nailed to the current (b) indicating a sepa | correspondence address as arate "FEE ADDRESS" for |
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| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | | Note: A certificate of mailing can only be used for domestic mailings of th Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission. | | | |
| 40854 | 7590 09/08/ | 2010 | nave | | | · · | |
| 38210 GLENN A | L & CLARK LLF AVENUE 7, OH 44094-7808 | • | I her State addr trans | eby certify that this is Postal Service wi essed to the Mail mitted to the USPT | Fee(s) th suff Stop I O (571 | of Mailing or Trans) Transmittal is being icient postage for firs SSUE FEE address) 273-2885, on the d | imission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below. |
| | | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | | ATTOF | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/599,808 | 10/10/2006 | • | Yosuke Endo | • | | SAT-16887 | 4898 |
| ITTLE OF INVENTION PROGRAM | : EXTERNAL FORCE (| CONTROL METHOD, E | XTERNAL FORCE CON | TROL SYSTEM AN | ID EX | TERNAL FORCE C | ONTROL |
| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE | FEE | TOTAL FEE(S) DUE | DATE DUE |
| nonprovisional | NO | \$1510 | \$300 | \$0 | | \$1810 | 12/08/2010 |
| EXAM | INER | ART UNIT | CLASS-SUBCLASS | | | | |
| DANEGA, | RENEE A | 3736 | 600-546000 | | | | |
| ☐ "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. | ondence address (or Cha 3/122) attached. ication (or "Fee Address' 2 or more recent) attach | nge of Correspondence Indication form ed. Use of a Customer | (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a | ne of a single firm (having as a member a attorney or agent) and the names of up to d patent attorneys or agents. If no name is name will be printed. | | | |
| recordation as set forti (A) NAME OF ASSIC | h in 37 CFR 3.11. Comp GNEE | letion of this form is NO | I' a substitute for filing an a (B) RESIDENCE: (CITY | assignment. and STATE OR CC | DUNTI | RY) | ocument has been filed for |
| Please check the appropri | iate assignee category or | categories (will not be pr | inted on the patent): | Individual | poratio | on or other private gro | oup entity Government |
| ` | are submitted: fo small entity discount p # of Copies | ermitted) | 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | |
| | s SMALL ENTITY statu | s. See 37 CFR 1.27. | ☐ b. Applicant is no long | | | | |
| NOTE: The Issue Fee and interest as shown by the r | d Publication Fee (if requeecords of the United Sta | nired) will not be accepted tes Patent and Trademark | from anyone other than the Office. | ne applicant; a regist | ered a | ttorney or agent; or th | ne assignee or other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | | Registration No |) | | |
| This collection of inform an application. Confident submitting the completed his form and/or suggesti Box 1450. Alexandria, V | ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this bur irginia 22313-1450. DO | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR (| on is required to obtain or re 1.14. This collection is esti- depending upon the indiv- e Chief Information Office COMPLETED FORMS TO | etain a benefit by the imated to take 12 m idual case. Any con r, U.S. Patent and T D THIS ADDRESS. | e publi inutes iments radem SEND | c which is to file (and to complete, includin on the amount of tin ark Office, U.S. Depa TO: Commissioner | d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

Alexandria, Virginia 22313-1450.

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| 40854 7590 09/08/2010 | | | EXAMINER | | |
| RANKIN, HILL | & CLARK LLP | DANEGA, RENEE A | | | |
| 38210 GLENN AVENUE | | | ART UNIT | PAPER NUMBER | |
| WILLOUGHBY, (|)H 44094-7808 | | 3736 | | |
| | | DATE MAIL ED: 00/08/2010 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 185 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 185 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | |
|---|--|---|-------------------|
| | 10/599,808 | ENDO ET AL. | |
| Notice of Allowability | Examiner | Art Unit | |
| | Renee Danega | 3736 | |
| The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 8/28/10. | (OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is | in this application. If not included nunication will be mailed in due cou | urse. THIS |
| | | | |
| 2. ☑ The allowed claim(s) is/are <u>1-5 and 7-20</u> . | | | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☒ All b) ☐ Some* c) ☐ None of the: 1. ☒ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: | been received. been received in Applicat | ion No | n from the |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | le a reply complying with the requi | ements |
| A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | TCE OF |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | | |
| (a) I including changes required by the Notice of Draftspers | on's Patent Drawing Revi | ew (PTO-948) attached | |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | | | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | | ck) of |
| DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | e the |
| Attachment(s) | | | |
| 1. Notice of References Cited (PTO-892) | | nformal Patent Application | |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | | Summary (PTO-413), b./Mail Date | |
| 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date | | s Amendment/Comment | |
| 4. Examiner's Comment Regarding Requirement for Deposit | 8. 🛛 Examiner | s Statement of Reasons for Allowa | ince |
| of Biological Material | 9. 🔲 Other | <u>_</u> . | |
| | /Max Hinden | burg/ | |
| | Supervisory P | atent Examiner, Art Unit 3736 | |
| | | | |

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: The prior art of record broadly discloses external force control methods using myoelectric potential to control an orthosis. Dohno as cited in the previous rejection is the closest relevant prior art but fails to suggest a factor setting step calculated by a ratio of the external force and the net force of the internal and external force. Furthermore, the art of record fails to teach a new external force setting step such that it approaches a desired value since the external force always remains a constant value less than the measured human contribution. It is not obvious from the prior art of record why one would employ either of these steps in a force control method as taught by applicant.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Renee Danega whose telephone number is (571)270-3639. The examiner can normally be reached on Monday through Thursday 8:30-5:00 eastern time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571) 272-4726. The fax phone

Application/Control Number: 10/599,808 Page 3

Art Unit: 3736

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RAD

/Max Hindenburg/

Supervisory Patent Examiner, Art Unit 3736